Lau, Raymond W.

From: Lau, Raymond W.
Sent: Wednesday, August 02, 2000 1:18 PM
To: 'rgt@thesapphiregroup.com'
Subject: Comments on Proposal

Dear Bob,

Following discussions among our team, here are our thoughts on your current proposal to develop an ETS exposure assessment tool:

- Often one comes across in the literature the use of concentration levels as a measure of exposure to the contaminants involved, while as we all know, the correct exposure metric is the product of concentration level and time (in ug-hr/m3). In this project, we need to ensure that this correct metric is recognized and used when comparing with other metrics which appear in the literature.

- Our current concept of how the project would proceed is as follows. On completion of the initial search/compilation of existing exposure assessment methods, we need to be able to identify gaps in such methods. The "gold standard" that the project comes up with should then have these gaps addressed.

  As a specific example, the temporal and spatial variability of exposure of an individual or a group of individuals are difficult to quantity and often gross assumptions are made about them in various exposure models. What we would like to see is that the assessment tool coming out of this project being able to say something about (i) how the temporal and spatial variability can be quantified and (ii) the effects of the uncertainty of their quantification and any assumptions made on the exposure level.

- At the end of the project, we should be able to compare all existing exposure assessment methods against the "gold standard", even though all relevant data may not available. This also allows us to identify what data are required in future to fit into the "gold standard".

We would like to ensure that these points are communicated clearly to you and somehow get reflected in the proposal. We can further discuss them if necessary during our conference call scheduled on Thursday.

Regards,

Raymond

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